Notations:
1. Options shown in **green** color and with ✓ icon are correct.
2. Options shown in **red** color and with ✗ icon are incorrect.

Question Number: 1  Question Id: 2310981051  Question Type: MCQ  Option Shuffling: Yes  Negative Marks Display Text: 2/3  Option Orientation: Vertical  Correct Marks: 2  Wrong Marks: 0.66

Which the following includes aspects of financial management?

Options:

1. ✗ Only planning for funds

2. ✗ Procurement of funds from two sources like equity and preference capital

3. ✓ Planning, procurement and effective utilisation of the funds
4. ✗ Only concerned with acquisition of funds

Which of the following is known as the wealth maximisation decision?

Options:

1. ✗ Profit maximisation

2. ✓ Value maximisation

3. ✗ Making the profit as great as possible decision

4. ✗ Short term earning decision

Which of the following theories suggest that capital structure does NOT affect WACC?

Options:

1. ✗ Net Income Approach

2. ✗ Traditional Approach

3. ✓ Net Operating Income Approach

4. ✗ Preference Capital Approach

Which of the following is known capital budgeting?

Options:
1. Management of current assets

2. Short term investment decision

3. Capital expenditure decision

4. Working capital management

Question Number : 5  Question Id : 2310981055  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical  
Correct Marks : 2  Wrong Marks : 0.66

Which of the following is the full form of EPS?

Options :
1. Earnings Per Share

2. Earnings Per Stock

3. Equity Preference Share

4. Equity Preference Stock

Question Number : 6  Question Id : 2310981056  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical  
Correct Marks : 2  Wrong Marks : 0.66

Which of the following is also known as financial leverage?

Options :
1. Trading on equity

2. Combined leverage
3. ✗ Operating profit

4. ✗ Contribution

Question Number : 7  Question Id : 2310981057  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical  
Correct Marks : 2  Wrong Marks : 0.66  
Which of the following is an external source of finance?  
Options :
1. ✔ Loan from a bank

2. ✗ Funds generated from an operation

3. ✗ Retained earning

4. ✗ Provision for depreciation

Question Number : 8  Question Id : 2310981058  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical  
Correct Marks : 2  Wrong Marks : 0.66  
Who among the following propounded the Net Operating Income (NOI) Approach?  
Options :
1. ✗ Modigliani and Miller

2. ✔ David Durand

3. ✗ Ezra Solomon

4. ✗ Peter Drucker
Which of the following is the method of evaluation of traditional methods of capital budgeting?

Options:
1. Net present value method
2. Profitability index
3. Internal rate of return method
4. Accounting rate of return method

What will be the value of EOQ, if a manufacturer of motors uses ₹50,000 of value per year, the administering cost per purchase is ₹50, and the carrying charges are 20% of the average inventory?

Options:
1. ₹3,000
2. ₹5,000
3. ₹8,000
4. ₹10,000

Which of the following is also known as temporary working capital?

Options:
1. Fixed working capital
2. Fluctuating working capital
3. ✗ Variable working capital

4. ✓ Both fixed and fluctuating working capital

Question Number : 12  Question Id : 2310981062  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical  Correct Marks : 2  Wrong Marks : 0.66
Which of the following statements is correct with respect to commercial paper?
Options :
1. ✓ Commercial paper is a short term unsecured promissory note.
2. ✗ Commercial paper is not a negotiable instrument.
3. ✗ Commercial paper is a secured promissory note.
4. ✗ Commercial paper is also known as trade credit.

Question Number : 13  Question Id : 2310981063  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical  Correct Marks : 2  Wrong Marks : 0.66
Which one of the following statements is correct?
Options :
1. ✗ Debentures get return in the form of dividend.
2. ✗ There is no specific act governing bill discounting.
3. ✗ Debentures enjoy voting rights.
4. ✓ Factoring is management of debtors.
What is the cost of equity capital as per the dividend yield method, if XYZ Ltd. is expected to disburse a dividend of 10% on equity shares of ₹100 each for the current market price per share of Rs. 80?

Options:
1. 12.50%
2. 14.50%
3. 16.50%
4. 18.50%

Question Number: 15  Question Id: 2310981065  Question Type: MCQ  Option Shuffling: Yes  Negative Marks Display Text: 2/3  Option Orientation: Vertical  Correct Marks: 2  Wrong Marks: 0.66

Which one of the following statements is correct regarding working average cost of capital?
A. Cost of each specific source of capital.
B. Each specific cost is assigned weight.
C. Each specific cost is divided by corresponding weight.

Options:
1. Only statements A and B
2. Only statements B and C
3. Only statements A and C
4. Only statement C

Question Number: 16  Question Id: 2310981066  Question Type: MCQ  Option Shuffling: Yes  Negative Marks Display Text: 2/3  Option Orientation: Vertical  Correct Marks: 2  Wrong Marks: 0.66

In which of the following circumstances will a project be accepted under the net present value method, in case there is only one project?

Options:
1. ✗ If the present value of cash inflow is equal to the present value of cash outflow.

2. ✔ If the present value of cash inflow exceeds the present value of cash outflow.

3. ✗ If the present value of cash inflow is less than the present value of cash outflow.

4. ✗ If the present value of cash inflow is zero with respect to the present value of cash outflow.

Question Number : 17  Question Id : 2310981067  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical
Correct Marks : 2 Wrong Marks : 0.66
Which type of inventories are required only when the working capacity of all men and all machines are different?
Options :
1. ✗ Lot size inventories

2. ✗ Anticipation inventories

3. ✔ Decoupling inventories

4. ✗ In transit inventories

Question Number : 18  Question Id : 2310981068  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical
Correct Marks : 2 Wrong Marks : 0.66
What is the cost of debt capital if a company B Ltd. issues ₹1,00,000, 9% debentures at a premium of 10%, the cost of flotation is 5%, and the tax rate is 55%?
Options :
1. ✗ 5.61%

2. ✔ 3.87%
3. 2.22%

4. 7.21%

Question Number: 19  Question Id: 2310981069  Question Type: MCQ  Option Shuffling: Yes  Negative Marks Display Text: 2/3  Option Orientation: Vertical
Correct Marks: 2  Wrong Marks: 0.66
Which of the following statements is correct regarding the assumptions of the Modigliani and Miller Approach?
Options:
1. The cost of debt is always less than the cost of equity.
2. The debt capitalisation rate remains increase at various levels of debt equity mix.
3. The equity capitalisation rate increases as debt content decreases.
4. The capital markets are imperfect and incomplete information is available to all investors.

Question Number: 20  Question Id: 2310981070  Question Type: MCQ  Option Shuffling: Yes  Negative Marks Display Text: 2/3  Option Orientation: Vertical
Correct Marks: 2  Wrong Marks: 0.66
What will be the value of a firm according to the net operating income approach if a company expects a net operating income of ₹1,00,000 on ₹5,00,000, 6% debentures and the overall capitalisation rate is 10%?
Options:
1. ₹10,00,000
2. ₹20,00,000
3. ₹30,00,000
4. ₹15,00,000

Question Number: 21  Question Id: 2310981071  Question Type: MCQ  Option Shuffling: Yes  Negative Marks Display Text: 2/3  Option Orientation: Vertical
What will be the degree of operating leverage (approximately) if the firm expects sales for the next year to be 700 units; the firm at present has sales of 500 units at the rate of ₹10 per unit, its variable cost is ₹7 per unit and fixed expenses are ₹800 p.a.?

Options:
1. 4.91%
2. 2.14%
3. 8.14%
4. 10.2%

What is the cost of equity capital based on the capital asset pricing model, if M Ltd.’s share beta factor is 1.40, the risk free rate of interest on government securities is 9% and the expected rate of return on market portfolio is 16%?

Options:
1. 20.9%
2. 18.8%
3. 12.18%
4. 15.16%

Which of the following is also known as common-size statement analysis?

Options:
1. Dynamic analysis
2. ✗ Horizontal analysis

3. ✓ Vertical analysis

4. ✗ Rigid analysis

Which of the following is expressed in simple mathematical form to show the relationship of one term to another?

Options:

1. ✗ Cash flow analysis

2. ✗ Vertical analysis

3. ✗ Horizontal analysis

4. ✓ Ratio analysis

Which of the following would be categorised under ‘cash flow from financing activities’?

Options:

1. ✗ Receipts from fixed assets

2. ✗ Collection from debtors

3. ✗ Interest received

4. ✓ Redemption of preference shares
The debt-equity ratio helps to study the ________ of the business.

Options:
1. activity
2. profitability
3. solvency position
4. liquidity

Which of the following is the ideal acid test ratio?

Options:
1. 2 : 1
2. 1 : 1
3. 3 : 1
4. 2.5 : 1

Which of the following transactions will result in an inflow of funds?

Options:
1. Issue of share capital
2. Redemption of debentures

3. Redemption of preference shares

4. Conversion of debentures into equity shares

How is proprietary ratio calculated?

Options:
1. \[
\frac{\text{Total outside liability}}{\text{Total fixed assets}}
\]

2. \[
\frac{\text{Shareholders’ funds}}{\text{Total assets}}
\]

3. \[
\frac{\text{Fixed assets}}{\text{Total outside liabilities}}
\]

4. \[
\frac{\text{Long term debts}}{\text{Shareholders’ funds}}
\]

Question Number : 30  Question Id : 2310981080  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical  Correct Marks : 2  Wrong Marks : 0.66

What is the gross profit ratio, if the cost of goods sold is ₹1,20,000 and sales (including sales returns of ₹10,000) is ₹2,10,000?

Options:
1. 20%

2. 30%
3. ✔ 40%

4. ✗ 50%

Question Number : 31  Question Id : 2310981081  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical
Correct Marks : 2  Wrong Marks : 0.66
Which statement is prepared in the procedure of fund flow analysis?
Options :
1. ✗ statement of changes in Working Capital
2. ✔ Statement of Sources and Uses of Funds
3. ✔ both statement of changes in Working Capital and statement of sources and uses of Funds
4. ✗ cash flow statement

Question Number : 32  Question Id : 2310981082  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical
Correct Marks : 2  Wrong Marks : 0.66
Which of the following is an activity under the cash flow statement for a financial institution dealing in securities, if the cash inflow and outflow arises from the sale and purchase of securities?
Options :
1. ✔ Operating activities
2. ✗ Investing activities
3. ✗ Financing activities
4. ✗ Cash equivalent activities

Question Number : 33  Question Id : 2310981083  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical
What will be the effect on the working capital in fund flow if a company issues ₹2,00,000 worth shares for cash?

Options:
1. ✔ Increase

2. ✗ Decrease

3. ✗ No effect

4. ✗ Equal to zero

Which of the following transactions do NOT bring any flow of funds?

Options:
1. ✗ Current assets and non-current assets

2. ✗ Current liabilities and non-current liabilities

3. ✔ Non-current assets and non-current liabilities

4. ✗ Current assets and non-current liabilities

What is the value of the current assets if the current liabilities of a company are ₹1,00,000 and its current ratio is 2.5 : 1?

Options:
1. ₹3,00,000
2. ₹2,50,000

3. ₹1,50,000

4. ₹2,00,000

Question Number : 36  Question Id : 2310981086  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical  
Correct Marks : 2  Wrong Marks : 0.66
Which of the following statements is/are true regarding the common size statement?
A. In the common size income statement, each item is represented as a percentage of the net sales figure.
B. Common size statement is also known as 100% statements.
C. Common size income statement represents the various elements as a percentage of the gross profit.
Options :
1. ✓ Both statements A and B
2. ✗ Both statements A and C
3. ✗ Both statements B and C
4. ✗ Only statement B

Question Number : 37  Question Id : 2310981087  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical  
Correct Marks : 2  Wrong Marks : 0.66
Which of the following statements are true if net capital employed is calculated as follows?
A. Current assets + Fixed assets + Investment inside the business – Current liabilities
B. Share capital + Reserves & Surplus + Long term liabilities – Fictitious assets
C. Current assets + Fixed assets + Investment inside the business
Options :
1. ✓ Both statements A and B
2. Both statements B and C

3. Both statements A and C

4. All statements A, B and C

Question Number : 38  Question Id : 2310981088  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical
Correct Marks : 2  Wrong Marks : 0.66
What is the interest coverage ratio if the net profit after tax is Rs. 50,000, 15% long-term debt is Rs. 5,00,000 and tax rate is 50%?
Options :
1. 1.18 times

2. 2.33 times

3. 3.81 times

4. 4.33 times

Question Number : 39  Question Id : 2310981089  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical
Correct Marks : 2  Wrong Marks : 0.66
What is the profit of a trader if he carries an average stock of ₹80,000 (cost), stock turnover ratio is 6 times, and sells goods at a profit of 20% on sales?
Options :
1. ₹1,20,000

2. ₹1,80,000

3. ₹2,00,000
4. ₹1,40,000

Question Number : 40  Question Id : 2310981090  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  
Correct Marks : 2  Wrong Marks : 0.66  
The price at which the best level of output in the long run analysis of a perfectly competitive firm is equal to :  
Options :  
1. ✔️ long run marginal cost  
2. ✗ short run marginal cost  
3. ✗ long run average cost  
4. ✗ long run total cost

Question Number : 41  Question Id : 2310981091  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  
Correct Marks : 2  Wrong Marks : 0.66  
As per the law of variable proportions, when MP is equal to AP, then AP is:  
Options :  
1. ✔️ at its maximum  
2. ✗ at its minimum  
3. ✗ fall  
4. ✗ zero

Question Number : 42  Question Id : 2310981092  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  
Correct Marks : 2  Wrong Marks : 0.66  
Shoes and socks are an example of:  
Options :
1. ✓ complementary goods

2. ✓ substitute goods

3. ✓ inferior goods

4. ✓ non-complementary goods

Question Number : 43  Question Id : 2310981093  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical
Correct Marks : 2  Wrong Marks : 0.66
At which point does the LMC cut the LAC under perfect competition?
Options :
1. ✓ Maximum point

2. ✓ Minimum point

3. ✓ Equal point

4. ✓ Zero point

Question Number : 44  Question Id : 2310981094  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical
Correct Marks : 2  Wrong Marks : 0.66
Which of the following statements is/are correct regarding oligopoly?
A. Oligopolistic firms may form a cartel.
B. Each firm may control an important proportion of the total supply.
C. The demand curve of an individual firm is known and is easily determined.
Options :
1. ✓ Only statement A
2. ✗ Only statement B

3. ✔ Both statements A and B

4. ✗ Only statement C

Question Number : 45  Question Id : 2310981095  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical
Correct Marks : 2  Wrong Marks : 0.66
How is Long-run-Average Cost (LAC) calculated?
Options :
1. ✔ Long run total cost divided by the level of the output

2. ✗ Long run marginal cost divided by the level of the output

3. ✗ Short run total cost divided by the level of the output

4. ✗ Short run marginal cost divided by the level of the output

Question Number : 46  Question Id : 2310981096  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical
Correct Marks : 2  Wrong Marks : 0.66
Which of the following is also known as direct cost?
Options :
1. ✗ Common cost

2. ✔ Traceable cost

3. ✗ Non-traceable cost
4.  Non-separable cost

Which of the following has an elasticity coefficient as 1 in the demand curve?

Options:

1. ✔ Unit elastic

2. ✗ Perfectly elastic

3. ✗ Point elastic

4. ✗ Cross elastic

Isoquants are a geometric representation of the:

Options:

1. ✗ Cost function

2. ✔ Market function

3. ✗ Demand function

4. ✔ Production function

Which of the following is true when AVC attains minimum, if AVC first declines, reaches a minimum and rises thereafter?

Options:
1. ✓ MC equals to AVC

2. ✗ MC exceeds AVC

3. ✗ MC less than AVC

4. ✗ MC equals to 1

Which of the following is an example of depreciation?

Options:
1. ✗ Past costs

2. ✗ Incremental costs

3. ✓ Sunk costs

4. ✗ Out of pocket costs

What will be assumed by kinked isoquant in case of substitutability of capital and labour?

Options:
1. ✓ Limited

2. ✗ High
3. Perfect

4. low

---

**Question Number:** 52  **Question Id:** 2310981102  **Question Type:** MCQ  **Option Shuffling:** Yes  **Negative Marks Display Text:** 2/3

**Option Orientation:** Vertical

Correct Marks: 2  Wrong Marks: 0.66

Which of the following is/are source(s) of monopoly?

A. Legal restriction
B. Capital costs
C. Tariffs and quotas

Options:

1. Only A
2. Both B and C
3. All A, B and C
4. Only C

---

**Question Number:** 53  **Question Id:** 2310981103  **Question Type:** MCQ  **Option Shuffling:** Yes  **Negative Marks Display Text:** 2/3

**Option Orientation:** Vertical

Correct Marks: 2  Wrong Marks: 0.66

Which of the following means partial or complete denationalisation of assets?

Options:

1. Liberalisation
2. Privatisation
3. Globalisation
4. ✗ Nationalisation

Question Number : 54  Question Id : 2310981104  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical  Correct Marks : 2  Wrong Marks : 0.66
Which of the following is a micro-environment factor?
Options :
1. ✗ Economic environment
2. ✓ Competitors
3. ✗ Socio-cultural environment
4. ✗ Technological environment

Question Number : 55  Question Id : 2310981105  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical  Correct Marks : 2  Wrong Marks : 0.66
Which of the following industries was NOT abolished under the new trade policy import licensing?
Options :
1. ✗ Textile industries
2. ✗ IT industries
3. ✓ Hazardous and environmentally sensitive industries
4. ✗ Consumer goods industries

Question Number : 56  Question Id : 2310981106  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical  Correct Marks : 2  Wrong Marks : 0.66
Progressive elimination of government control over economic activities is known as:
Options :

1. globalisation

2. ✓ liberalisation

3. ✗ privatisation

4. ✗ disinvestment

Question Number : 57 Question Id : 2310981107 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3 Option Orientation : Vertical Correct Marks : 2 Wrong Marks : 0.66
The New Industrial policy was announced on which date?
Options :

1. ✓ 24 July 1991

2. ✗ 21 April 1991

3. ✗ 24 June 1991

4. ✗ 21 May 1991

Question Number : 58 Question Id : 2310981108 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3 Option Orientation : Vertical Correct Marks : 2 Wrong Marks : 0.66
Which of the following was established under the Sick Industrial Companies (Special Provisions) Act (SICA), 1985?
Options :

1. ✗ TRIPS

2. ✓ BIFR

3. ✗ IMF
4. **WTO**

Which of the following intellectual property rights covers under the Uruguay round agreement on TRIPS?

A. Copyright and related rights  
B. Patents  
C. Geographical indications

Options:

1. ✗ Both A and B
2. ✗ Both B and C
3. ✗ Both A and C
4. ✓ All A, B and C

Which of the following business environment came into existence in India after the LPG policy was introduced in 1991?

Options:

1. ✓ Dynamic
2. ✗ Moribund
3. ✗ Stagnant
4. ✗ Static
Which factor of the business environment includes people attitude to work and health, role of family, marriage and social responsibility of business etc.?

Options:
1. ✔ Socio-cultural
2. ✗ Political
3. ✗ Legal
4. ✗ Economic

Which of the following is accompanied by FDI?

Options:
1. ✗ Non-transfer of technology and know-how
2. ✗ Non-movement of capital
3. ✗ Non-generating exports of goods and services from the investor countries
4. ✔ Generating exports of goods and services from the investor countries

The main thrust of the ___________ was the effective promotion of cottage and small industries.

Options:
1. ✗ Industrial Policy 1948
2. ✔ Industrial Policy 1977
3. **Industrial Policy 1956**

4. **Industrial Policy 1980**

---

**Question Number : 64**  
**Question Id : 2310981114**  
**Question Type : MCQ**  
**Option Shuffling : Yes**  
**Negative Marks Display Text : 2/3**  
**Option Orientation : Vertical**

**Correct Marks : 2**  
**Wrong Marks : 0.66**

Which industrial policy emphasised that industrial development of the country should be guided by Directive Principles of the Constitution of India?

**Options :**

1. **✓ Industrial policy 1956**

2. **✗ Industrial policy 1991**

3. **✗ Industrial policy 1980**

4. **✗ Industrial policy 1977**

---

**Question Number : 65**  
**Question Id : 2310981115**  
**Question Type : MCQ**  
**Option Shuffling : Yes**  
**Negative Marks Display Text : 2/3**  
**Option Orientation : Vertical**

**Correct Marks : 2**  
**Wrong Marks : 0.66**

Which Act governs industrial licensing?

**Options :**

1. **✗ Industries (Development and Regulation) Act, 1950**

2. **✓ Industries (Development and Regulation) Act, 1951**

3. **✗ Industries (Development and Regulation) Act, 1961**

4. **✗ Industries (Development and Regulation) Act, 1952**

---

**Question Number : 66**  
**Question Id : 2310981116**  
**Question Type : MCQ**  
**Option Shuffling : Yes**  
**Negative Marks Display Text : 2/3**  
**Option Orientation : Vertical**
Correct Marks : 2 Wrong Marks : 0.66
Which of the following statements are correct regarding ministerial conference of WTO?
A. The highest decision-making body of the WTO is the ministerial conference.
B. Normally meet at least once every two years.
C. The ministerial conference discusses and takes decisions on all matters under multilateral trade agreements.
Options :
1. ✗ Both statements B and C
2. ✗ Both statements A and B
3. ✗ Both statements A and C
4. ✔ All A, B and C

Correct Marks : 2 Wrong Marks : 0.66
Which of the following is the reason for Kellogg's miserable failure in India in its first attempt?
Options :
1. ✗ It failed to assess India's demographic environment
2. ✔ It failed to assess India's socio-cultural environment
3. ✗ It failed to assess India's political environment
4. ✗ It failed to assess India's legal environment

Correct Marks : 2 Wrong Marks : 0.66
Which industrial policy was first dealt in the problem of unequal distribution of income and wealth?
Options :
1. ✔ Industrial Policy 1956
2. Industrial Policy 1977
3. Industrial Policy 1948
4. Industrial Policy 1980

Question Number : 69  Question Id : 2310981119  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3
Option Orientation : Vertical
Correct Marks : 2  Wrong Marks : 0.66
Which of the following are the main objectives of the Industrial Policy of the Government of India?
A. To maintain a sustained growth in productivity.
B. To transform India into a major player in the domestic market only.
C. To deregulate and delicense the industry to achieve rapid industrialisation.
Options :
1. Only A and C
2. Only B
3. Both A and B
4. Only A

Question Number : 70  Question Id : 2310981120  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3
Option Orientation : Vertical
Correct Marks : 2  Wrong Marks : 0.66
Which of the following is talked about the new industrial policy of the Government of India?
A. How to regulate the private sector in a so-called national interest.
B. Deregulation
C. Delicensing
Options :
1. Only A
2. ✔ Both B and C

3. ✗ Only B

4. ✗ Only C

Question Number : 71  Question Id : 2310981121  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical
Correct Marks : 2  Wrong Marks : 0.66
Which of the following is NOT an objective of inventory management?
Options :
1. ✗ Helps in minimising the wastage
2. ✔ Helps in continuous production
3. ✗ Helps in proper investment
4. ✔ Helps in increasing risk

Question Number : 72  Question Id : 2310981122  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical
Correct Marks : 2  Wrong Marks : 0.66
What will be the payback period if a project costs ₹20,00,000 and yields a profit of ₹3,00,000 annually after depreciation at the rate of 12.5% but before tax at 50%?
Options :
1. ✔ 5 years
2. ✗ 7 years
3. ✗ 4 years
4. 3 years

Question Number: 73  Question Id: 2310981123  Question Type: MCQ  Option Shuffling: Yes  Negative Marks Display Text: 2/3
Option Orientation: Vertical
Correct Marks: 2  Wrong Marks: 0.66
Which of the following is an example of cash equivalents?
Options:
1. Capital
2. Loose tools
3. Treasury bills
4. Debtors

Question Number: 74  Question Id: 2310981124  Question Type: MCQ  Option Shuffling: Yes  Negative Marks Display Text: 2/3
Option Orientation: Vertical
Correct Marks: 2  Wrong Marks: 0.66
What is the salary paid in cash, if the salary expense as per the profit and loss account is ₹10,000, salaries outstanding in the beginning are ₹2,000, and salaries outstanding at the end are ₹5,000?
Options:
1. ₹8,000
2. ₹7,000
3. ₹9,000
4. ₹6,000

Question Number: 75  Question Id: 2310981125  Question Type: MCQ  Option Shuffling: Yes  Negative Marks Display Text: 2/3
Option Orientation: Vertical
Correct Marks: 2  Wrong Marks: 0.66
Which of the following is a discipline that combines economic theory with managerial economics?
Options:
1. Business practices

2. Management practices

3. Accounting practices

4. Human practices

Question Number : 76 Question Id : 2310981126 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3 Option Orientation : Vertical Correct Marks : 2 Wrong Marks : 0.66
Which of the following is a concept of selling?
Options :
1. Emphasis is on consumer needs and wants
2. Views business as consumer satisfying process
3. Emphasis is on the product
4. Stresses needs and wants of buyers

Question Number : 77 Question Id : 2310981127 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3 Option Orientation : Vertical Correct Marks : 2 Wrong Marks : 0.66
Which of the following is NOT a kind of organisational market?
Options :
1. The Consumer Market
2. The Government Market
3. ✗ The Industrial Market

4. ✗ The Institutional Market

Question Number: 78  Question ID: 2310981128  Question Type: MCQ  Option Shuffling: Yes  Negative Marks Display Text: 2/3  Option Orientation: Vertical
Correct Marks: 2  Wrong Marks: 0.66
Which of the following is NOT a level of market segmentation?
Options:
1. ✗ Segment Marketing
2. ✗ Niche Marketing
3. ✗ Individual Marketing
4. ✔ Permanent Marketing

Question Number: 79  Question ID: 2310981129  Question Type: MCQ  Option Shuffling: Yes  Negative Marks Display Text: 2/3  Option Orientation: Vertical
Correct Marks: 2  Wrong Marks: 0.66
Forces that other people exert on buying behaviour are called social influences. Which one of the following are NOT social influences on buying decision process?
Options:
1. ✗ Family influences
2. ✗ Roles
3. ✔ Attitudes
4. ✗ Social classes

Question Number: 80  Question ID: 2310981130  Question Type: MCQ  Option Shuffling: Yes  Negative Marks Display Text: 2/3  Option Orientation: Vertical
A concept proposed by Mohan Sawhney, known as the ________, describes a cluster of complementary products and services that are closely related in the minds of consumers but are spread across a diverse set of industries.

Options:
1. ✓ metamarket
2. ✗ marketplace
3. ✗ marketspace
4. ✗ marketmanager

Macro environment refers to those factors which are external forces in the company's activities and do not concern the immediate environment. Which of the following is NOT a factor of macro environment?

Options:
1. ✗ Demographic environment
2. ✓ Customer's environment
3. ✗ Socio-cultural environment
4. ✗ Technological environment

The expected level of company sales based on a chosen marketing plan and an assumed marketing environment is known as:

Options:
1. ✗ company demand
2. company sales potential

3. company sales forecast

4. market forecast

Question Number : 83  Question Id : 2310981133  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical
Correct Marks : 2  Wrong Marks : 0.66
The process of dividing the total market for a product or service into several smaller groups, such that the members of each group are similar with respect to the factors that influence demand is known as:
Options :
1. market segmentation
2. mass marketing
3. market targeting
4. market positioning

Question Number : 84  Question Id : 2310981134  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical
Correct Marks : 2  Wrong Marks : 0.66
The Maslow's hierarchy of needs is a motivational theory in psychology comprising a five-tier model of human needs, often depicted as hierarchical levels within a pyramid. From the bottom of the hierarchy to upwards which one comes at third level of Maslow’s hierarchy?
Options :
1. Physiological needs
2. Social needs
3. Esteem needs
4. Safety needs

Question Number : 85  Question Id : 2310981135  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  
Correct Marks : 2  Wrong Marks : 0.66  
An individual’s degree of interest in a product and the importance of the product for that person is known as:
Options :
1. consumer buying behaviour
2. routinized response behaviour
3. extended problem solving
4. level of involvement

Question Number : 86  Question Id : 2310981136  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  
Correct Marks : 2  Wrong Marks : 0.66  
Some kind of consumer products are purchased when a sudden problem must be solved. Customers are unaware of such products and do not necessarily think of purchasing. Such consumer products are known as:
Options :
1. convenience products
2. shopping products
3. unsought products
4. specialty products

Question Number : 87  Question Id : 2310981137  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  
Correct Marks : 2  Wrong Marks : 0.66  
Customers who eventually accept a new product do so through an adoption process. The stages of the product adoption process are as follows:
1. ✓ Awareness, Interest, Evaluation, Trial, Adoption

2. ✗ Awareness, Informative, Evaluation, Timing, Adoption

3. ✗ Activation, Informative, Evaluation, Trial, Adoption

4. ✗ Installation, Interest, Evaluation, Timing, Adoption

Question Number : 88  Question Id : 2310981138  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical  
Correct Marks : 2  Wrong Marks : 0.66
If MR (Marginal Revenue) is a unit’s addition to revenue and MC (Marginal Cost) is a unit’s addition to cost, then the firm has highest profit when:

Options :

1. ✗ MR > MC

2. ✓ MR = MC

3. ✗ MR < MC

4. ✗ MR ≠ MR

Question Number : 89  Question Id : 2310981139  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical  
Correct Marks : 2  Wrong Marks : 0.66
Which of the following statements clearly distinguishes between marketplace and marketspace?

Options :

1. ✓ Marketplace is physical while marketspace is digital

2. ✗ Marketplace is digital while marketspace is physical
3. Marketplace and marketspace are both digital

4. Marketplace and marketspace are both physical

The SWOT analysis consists of an analysis of the external and internal environments of the overall evaluation of a business. SWOT stands for:

Options:
1. Strengths, Weaknesses, Objectivity, and Threats

2. Struggle, Weaknesses, Opportunities, and Threats

3. Strengths, Weaknesses, Opportunities, and Threats

4. Strengths, Weaknesses, Opportunities, and Thought

In terms of marketing, the product or offering will be successful if it delivers value and satisfaction to the target buyer. The marketer CANNOT increase the value of the customer offering by:

Options:
1. raising benefits and reducing costs

2. raising benefits by more than the raise in costs

3. lowering benefits by less than the reduction in costs

4. raising benefits by less than the raise in costs
Situation factors can influence the buyer during any stage of the consumer buying decision process and may cause the individual to shorten, lengthen, or terminate the process. Which of the following CANNOT be a classification of situational factors on the buying decision process?

Options:
1. ✗ The buyer’s momentary mood and condition
2. ✓ Perception
3. ✗ Physical surroundings
4. ✗ Reason for purchase

Producers commonly provide intermediaries with discounts, or reductions, from list prices. A price reduction granted to dealers for participating in advertising and sales support programs intended to increase sales of a particular item is known as:

Options:
1. ✗ seasonal discounts
2. ✗ quantity discounts
3. ✓ trade discounts
4. ✓ promotional allowances

Within the supply chain management, EDI functions as an information system that links marketing-channel members and outsourcing firms together. The EDI stands for:

Options:
1. Electronic Data Interchange

2. Exchange Data Information

3. Electronic Demonstrating Interchange

4. Electronic Data Instruction

Question Number : 95  Question Id : 2310981145  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  
Correct Marks : 2  Wrong Marks : 0.66
Several promotional methods can be used to communicate with individuals, groups, and organisations. When an organization combines specific methods to manage the integrated marketing communications for a particular product, that combination constitutes the promotion mix for that product. The four possible elements of a promotion mix are:
Options :
1. Awareness, Demonstration, Personal Selling, and Sales promotion
2. Advertising, Personal Selling, Public Relations, and Sales Promotion
3. Communications Channel, Noise, Advertising, and Personal Selling
4. Communications Channel, Noise, Public Relations, and Sales promotion

Question Number : 96  Question Id : 2310981146  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  
Correct Marks : 2  Wrong Marks : 0.66
A characteristics of sample is known as:
Options :
1. statistic(s)
2. parameter(s)
In probability theory, when two or more events take place simultaneously, their occurrence is known as:

Options:

1. simple event
2. compound event
3. complementary event
4. dependent event

Tickets are numbered from 1 to 100. They are well shuffled and a ticket is drawn at random. What is the probability that the drawn ticket has a number which is a square?

Options:

1. 1/10
2. 
3. 
4. 

Tickets are numbered from 1 to 100. They are well shuffled and a ticket is drawn at random. What is the probability that the drawn ticket has a number which is a square?

Options:

1. 1/10
2. 
3. 
4. 

Tickets are numbered from 1 to 100. They are well shuffled and a ticket is drawn at random. What is the probability that the drawn ticket has a number which is a square?

Options:

1. 1/10
2. 
3. 
4. 

Tickets are numbered from 1 to 100. They are well shuffled and a ticket is drawn at random. What is the probability that the drawn ticket has a number which is a square?

Options:

1. 1/10
2. 
3. 
4. 

Tickets are numbered from 1 to 100. They are well shuffled and a ticket is drawn at random. What is the probability that the drawn ticket has a number which is a square?

Options:

1. 1/10
2. 
3. 
4. 

Tickets are numbered from 1 to 100. They are well shuffled and a ticket is drawn at random. What is the probability that the drawn ticket has a number which is a square?

Options:

1. 1/10
2. 
3. 
4. 

Tickets are numbered from 1 to 100. They are well shuffled and a ticket is drawn at random. What is the probability that the drawn ticket has a number which is a square?

Options:

1. 1/10
2. 
3. 
4. 

Tickets are numbered from 1 to 100. They are well shuffled and a ticket is drawn at random. What is the probability that the drawn ticket has a number which is a square?
ANOVA is essentially a procedure for testing the difference among different groups of data for homogeneity. ANOVA stands for:

Options:
1. Analysis of Variability
2. Analysis of Variable
3. Analysis of Value
4. Analysis of Variance

Which of the following is FALSE about Chi-Square test?

Options:
1. It can be used as a test of independence
2. It can be used as a test of goodness of fit
3. The chi-square distribution is symmetrical
4. It can be used as a non-parametric test

The z-test is based on:

Options:
1. f-distribution
2. ✔ normal probability distribution

3. ✗ t-distribution

4. ✗ chi-square distribution

Question Number : 102  Question Id : 2310981152  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3
Option Orientation : Vertical
Correct Marks : 2  Wrong Marks : 0.66
Systematic bias results from errors in the sampling procedures, and it cannot be reduced or eliminated by increasing the sample size. Systematic bias is NOT the result of which of the following factors?

Options :
1. ✔ Appropriate sampling frame
2. ✗ Defective measuring device
3. ✗ Non-respondents
4. ✗ Indeterminacy principle

Question Number : 103  Question Id : 2310981153  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3
Option Orientation : Vertical
Correct Marks : 2  Wrong Marks : 0.66
Which of the following is NOT an example of random data?

Options :
1. ✗ Financial variables such as stock exchange share values
2. ✗ Gambling game outcomes
3. ✔ Fall of body subject to earth's gravity
4. Thermal noise generated in electrical resistances, antennae, etc.

Question Number : 104  Question Id : 2310981154  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical
Correct Marks : 2  Wrong Marks : 0.66
Null hypothesis and alternative hypothesis are symbolised as $H_0$ and $H_a$ respectively. Suppose we want to test the hypothesis that the population mean ($\mu$) is equal to the hypothesised mean ($\mu_{H_0}$) = 100, then which of the following is INCORRECT about alternative hypothesis?

Options:
1. $H_a = \mu = \mu_{H_0}$

2. $H_a = \mu \neq \mu_{H_0}$

3. $H_a = \mu > \mu_{H_0}$

4. $H_a = \mu < \mu_{H_0}$

Question Number : 105  Question Id : 2310981155  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical
Correct Marks : 2  Wrong Marks : 0.66
In the level of measurement when the values have no relation of order, the variable is said to be on a:

Options:
1. Ordinal scale

2. Nominal scale

3. Interval scale

4. Ratio scale

Question Number : 106  Question Id : 2310981156  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical
Correct Marks : 2  Wrong Marks : 0.66
A bag contains 4 white, 3 black and 5 red balls. What is the probability of getting a white or a red ball at random in a single draw?

Options:

1. \( \frac{7}{12} \)

2. \( \frac{3}{12} \)

3. \( \frac{4}{12} \)

4. \( \frac{9}{12} \)

Question Number : 107  Question Id : 2310981157  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3
Option Orientation : Vertical
Correct Marks : 2  Wrong Marks : 0.66

What is the probability that a leap year, selected at random will contain 53 Sundays?

Options:

1. \( \frac{1}{7} \)

2. \( \frac{2}{7} \)

3. \( \frac{3}{7} \)

4. \( \frac{1}{3} \)

Question Number : 108  Question Id : 2310981158  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3
Option Orientation : Vertical
Correct Marks : 2  Wrong Marks : 0.66

A die is thrown 132 times with following results:

<table>
<thead>
<tr>
<th>Number turned up</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency</td>
<td>16</td>
<td>20</td>
<td>25</td>
<td>14</td>
<td>29</td>
<td>28</td>
</tr>
</tbody>
</table>

When we use chi-square test for testing hypothesis "is Die Unbiased", then what will be the degrees of freedom?
Question Number : 109  Question Id : 2310981159  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3
Option Orientation : Vertical
Correct Marks : 2  Wrong Marks : 0.66

Which of the following is an example of purposive sampling design?

Options :
1. Simple random sampling
2. Stratified sampling
3. Quota sampling
4. Cluster sampling

Question Number : 110  Question Id : 2310981160  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3
Option Orientation : Vertical
Correct Marks : 2  Wrong Marks : 0.66

N letters are put randomly into N envelopes. What is the probability that the right letters get into the envelopes?

Options :
1. \( \frac{1}{N} \)
2. \( \frac{1}{N \times N} \)
3. $\frac{1}{N!}$

4. $\frac{1}{N \cdot (N - 1)}$

Question Number : 111  Question Id : 2310981161  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical
Correct Marks : 2  Wrong Marks : 0.66
A university has to select an examiner from a list of 50 persons. 20 of them are women and 30 men, 10 of them knowing Hindi and 40 not, 15 of them being teachers and the remaining 35 not. What is the probability of the university selecting a Hindi-knowing woman teacher?
Options :
1. $\frac{7}{5}$
2. $\frac{3}{225}$
3. $\frac{3}{125}$
4. $\frac{9}{10}$

Question Number : 112  Question Id : 2310981162  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical
Correct Marks : 2  Wrong Marks : 0.66
In one way ANOVA techniques, if $n$ is the total number of items in all the $k$ samples, then which of the following is NOT true?
Options :
1. $(n - k)$ represents degrees of freedom within samples
2. $(n - 1)$ represents degrees of freedom for total variance
3. $(n - k)$ represents degrees of freedom between samples
4. \( (k - 1) \) represents degrees of freedom between samples

**Question Number : 113**  Question Id : 2310981163  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical  
Correct Marks : 2  Wrong Marks : 0.66  
A sample of 10 is drawn randomly from a certain population. The sum of the squared deviations from the mean of the given sample is 50. Compute the value of chi-square \( (\chi^2) \) and test the hypothesis that the variance of the population is 5 at 5% level of significance. (The table value of chi-square \( (\chi^2) \) at 5% level for 9 degree of freedom is 16.92)

**Options :**

1. ✔️ 10, accept the null hypothesis

2. ✗ 10, reject the null hypothesis

3. ✗ 25, reject the null hypothesis

4. ✔️ 9, accept the null hypothesis

**Question Number : 114**  Question Id : 2310981164  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical  
Correct Marks : 2  Wrong Marks : 0.66  
Under the probability sampling design, every item of the universe has an equal chance of inclusion in the sample. Which of the following sampling techniques is NOT based on the probability sampling design?

**Options :**

1. ✔️ Cluster sampling

2. ✔️ Judgement sampling

3. ✗ Systematic sampling

4. ✗ Stratified sampling

**Question Number : 115**  Question Id : 2310981165  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical  
Correct Marks : 2  Wrong Marks : 0.66
If matrix $A = \frac{1}{3} \begin{bmatrix} -1 & 2 & 2 \\ 2 & -1 & 2 \\ 2 & 2 & -1 \end{bmatrix}$, then which of the following is true?

Options:

1. ✗ A is a singular matrix

2. ✗ A is a skew symmetric matrix

3. ✓ A is an orthogonal matrix

4. ✗ Rank of matrix $A$ is 2

Question Number : 117  Question Id : 2310981167  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical  Correct Marks : 2  Wrong Marks : 0.66

A function of the form $f(x) = ax^3 + bx^2 + cx + d$ where $a$, $b$, $c$, and $d$ are real constants is called:

Options:

1. ✗ quadratic function

2. ✗ exponential function

3. ✓ linear function

4. ✗ cubic function

Question Number : 117  Question Id : 2310981167  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical  Correct Marks : 2  Wrong Marks : 0.66

What will be the first order derivative of function $y = 2^x$ with respect to $x$?

Options:

1. ✗ $2^x$
2. ✗ $2^x \log e$

3. ✓ $2^x \log 2$

4. ✗ $2^x \log x$

---

**Question Number : 118  Question Id : 2310981168  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical**

Correct Marks : 2 Wrong Marks : 0.66

Linear objective function in linear programming consists of variables and constants. Variables are called:

1. ✗ static variables

2. ✗ domain variables

3. ✓ decision variables

4. ✗ dynamic variables

---

**Question Number : 119  Question Id : 2310981169  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical**

Correct Marks : 2 Wrong Marks : 0.66

The first order derivative of function $f(x) = \log_a x$ with respect to $x$ is:

Options :

1. ✗ $\frac{1}{x}$

2. ✓ $\frac{1}{x} \log_a e$

3. ✗ $\frac{1}{x} \log_e a$
4. \( \frac{1}{x} \log_2 a \)

Question Number : 120  Question Id : 2310981170  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical
Correct Marks : 2  Wrong Marks : 0.66
What will be the amount at the end of 4 years of an investment of ₹1,000 if the annual interest rate is 6% being compounded?
Options :
1. ₹1,240
2. ₹1,262.47
3. ₹1,593.84
4. ₹1,362.47

Question Number : 121  Question Id : 2310981171  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical
Correct Marks : 2  Wrong Marks : 0.66
In linear programming problems, the term linear implies that:
Options :
1. all the mathematical relations used in the problem are non-linear relations
2. both linear and non-linear relations are used in the problem
3. all the mathematical relations used in the problem are linear relations
4. some of the mathematical relations used in the problem are non-linear relations

Question Number : 122  Question Id : 2310981172  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical
Correct Marks : 2  Wrong Marks : 0.66
The level of production where the revenue from the sales is equal to the cost of production is known as:
Question Number : 123 Question Id : 2310981173 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3 Option Orientation : Vertical
Correct Marks : 2 Wrong Marks : 0.66
If \( f \) and \( g \) are two functions, then which of the following is false?

Options :

1. \( (f + g)(x) = f(x) + g(x) \)

2. \( \frac{f}{g}(x) = \frac{g(x)}{f(x)} \)

3. \( (f - g)(x) = f(x) - g(x) \)

4. \( (fg)(x) = f(x)g(x) \)

Question Number : 124 Question Id : 2310981174 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3 Option Orientation : Vertical
Correct Marks : 2 Wrong Marks : 0.66
Let \( m, n \) and \( a \) be positive numbers with \( a \neq 1 \), then which of the following is NOT true?

Options :

1. \( \log_a \left( \frac{m}{n} \right) = \log_a m - \log_a n \)

2. \( \log_a a = 1 \)
3. \( \log_b m = \frac{\log_a m}{\log_a b} \)

4. \( \log_a (m + n) = \log_a m + \log_a n \)

Question Number : 125  Question Id : 2310981175  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical
Correct Marks : 2 Wrong Marks : 0.66
In how many years at 4% per annum simple interest will the interest be one quarter of the principal?
Options :
1. 6.5 years
2. 6 years
3. 6.25 years
4. 5.25 years

Question Number : 126  Question Id : 2310981176  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical
Correct Marks : 2 Wrong Marks : 0.66
The first order derivative of function \( y = \log_x x^2 \) with respect to \( x \) is:
Options :
1. 1
2. 0
3. 2x\log_x x
4. 2\log_x x
Which of the following is NOT true about determinant of matrix?

Options:

1. ✗ Interchanging any two rows or any two columns of a matrix changes the sign of the determinant of the matrix but not the absolute value of determinant.

2. ✗ The determinant of matrix and the determinant of its transpose are equal

3. ✗ The value of determinant of any identity matrix is 1

4. ✓ If the elements in any two rows or any two columns are equal or proportional, the determinant of matrix is 1

If in four years ₹2,520 amount to ₹3,024, in what time at the same rate will ₹520 amount to ₹611 at simple interest?

Options:

1. ✗ 4 years

2. ✓ 3.5 years

3. ✗ 4.5 years

4. ✗ 3 years

Suppose the domain of function f is the interval [0,2], with f defined on this domain by the equation \( f(x) = x^2 \), then what is the range of f and domain of inverse function \( f^{-1} \)?

Options:
1. \[ \text{Range } = [0,4], \text{ Domain } = [0,2] \]

2. \[ \text{Range } = [0,2], \text{ Domain } = [0,4] \]

3. \[ \checkmark \text{ Range } = [0,4], \text{ Domain } = [0,4] \]

4. \[ \text{Range } = [0,2], \text{ Domain } = [0,2] \]

Question Number : 130  Question Id : 2310981180  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical  Correct Marks : 2  Wrong Marks : 0.66

In linear programming, linear function \( Z = ax + by \), where \( a \) and \( b \) are constants, which has to be maximised or minimised is called a linear:

Options :
1. \[ \checkmark \text{ relation} \]
2. \[ \text{region} \]
3. \[ \checkmark \text{ objective function} \]
4. \[ \text{constraints} \]

---

Question Number : 131  Question Id : 2310981181  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical  Correct Marks : 2  Wrong Marks : 0.66

A problem which seeks to maximise or minimise a linear function subject to certain constraints as determined by a set of linear inequalities is called a/an:

Options :
1. \[ \text{decision problem} \]
2. \[ \checkmark \text{ optimisation problem} \]
3. search problem

4. counting problem

Question Number : 132  Question Id : 2310981182  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical
Correct Marks : 2  Wrong Marks : 0.66
The determinant value of matrix \[
\begin{bmatrix}
1 & 1 & 1 \\
a & b & c \\
a^2 & b^2 & c^2
\end{bmatrix}
\] is:

Options:
1. 1
2. \((a - b)(b - c)(c - a)\)
3. 0
4. \((a^2 - b^2)(b^2 - c^2)(c^2 - a^2)\)

Question Number : 133  Question Id : 2310981183  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical
Correct Marks : 2  Wrong Marks : 0.66
What will be the values of \(x, y, z\) if the matrix \(A = \begin{bmatrix} 0 & 2y & z \\ x & y & -z \\ x & -y & z \end{bmatrix}\) obeys the law \(A^t A = I\) where \(A^t\) is the transpose of \(A\) and \(I\) is the unit matrix of order 3?

Options:
1. \(x = \pm \frac{1}{\sqrt{2}}, y = \pm \frac{1}{\sqrt{6}}, z = \pm \frac{1}{\sqrt{3}}\)
2. \(x = \pm \frac{1}{\sqrt{2}}, y = \pm \frac{1}{\sqrt{3}}, z = \pm \frac{1}{\sqrt{6}}\)
3. \( x = \pm \frac{1}{\sqrt{4}}, y = \pm \frac{1}{\sqrt{6}}, z = \pm \frac{1}{\sqrt{3}} \)

4. \( x = \pm \frac{1}{\sqrt{2}}, y = \pm \frac{1}{\sqrt{6}}, z = \pm \frac{1}{3} \)

Question Number : 134  Question Id : 2310981184  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical  Correct Marks : 2  Wrong Marks : 0.66
If \( f(x) = \frac{x}{\sqrt{1+x} - \sqrt{1-x}} \), then what is the value of \( \lim_{x \to 0} f(x) \) ?
Options :
1. \( \times \) 0
2. \( \checkmark \) 1
3. \( \times \) 2
4. \( \times \) 4

Question Number : 135  Question Id : 2310981185  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical  Correct Marks : 2  Wrong Marks : 0.66
The population of Kolkata had increased from 40 lakhs during 1970 to 80 lakhs at the end of 1980. What was the continuous growth rate of population? (Assume the value of \( \log_e 2 = 0.693 \))
Options :
1. \( \times \) 7.56%
2. \( \times \) 8.00%
3. \( \checkmark \) 6.93%
Given a function \( y = f(x) \). The graphs of the original and inverse functions about the line \( y = x \) are:

1. ✓ symmetric
2. ✗ asymmetric
3. ✗ parabolic
4. ✗ elliptical

The demand function of commodity at \( x = \sqrt{200 - p^2} \) where \( x \) units are demanded when price is \( \infty \) p per unit. What will be the level of output where rate of change in total revenue is zero?

Options:
1. ✗ \( x = 15 \) units
2. ✗ \( x = 20 \) units
3. ✓ \( x = 10 \) units
4. ✗ \( x = 5 \) units

Internet search engine is a software system that is designed to search the information on any topic which is available on the web. Which among the following is NOT a search engine?
The types of computer which work on continuous variables are known as:

Options:
1. analogue computers
2. digital computers
3. soft computers
4. hard computers

To process the cheque, the bank uses a device called:

Options:
1. barcode reader
2. OCR
3. ✅ MICR

4. ✗ magnetic stripe reader

Question Number : 141  Question Id : 2310981191  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3
Option Orientation : Vertical
Correct Marks : 2  Wrong Marks : 0.66
In tally, DCT is a file extension used for:

Options :
1. ✗ program files
2. ✅ language files
3. ✗ configuration files
4. ✗ license files

Question Number : 142  Question Id : 2310981192  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3
Option Orientation : Vertical
Correct Marks : 2  Wrong Marks : 0.66
The rules governing sending, travelling and receiving information within the Internet are called:

Options :
1. ✗ procedure
2. ✗ pipes
3. ✗ function
4. ✅ protocols

Question Number : 143  Question Id : 2310981193  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3
Option Orientation : Vertical
Correct Marks : 2  Wrong Marks : 0.66
Memory in a computer system is required for the storage and subsequent retrieval of instruction and data. Which of the following memory provides the fastest way for a CPU to access data?

Options:
1. Cache memory
2. RAM
3. Register
4. Magnetic tape

---

A scanner is a device which can capture still images, or even text, to be stored and used on a computer. A scanner which is often used to read text such as bar codes belongs to the category of:

Options:
1. flatbed scanner
2. sheetfed scanner
3. drum scanner
4. handheld scanner

---

In MS-Word application of MS-Office, you can see the Quick Access toolbar in the upper-left corner of the screen. Which of the following is NOT true about Quick Access toolbar?

Options:
1. You cannot move the Quick Access toolbar lower in the window
2. This offers three necessary buttons: Save button, the Undo button, and the Repeat button

3. You can place more buttons on the Quick Access toolbar

4. You can move the Quick Access toolbar lower in the window

Question Number : 146  Question Id : 2310981196  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical  
Correct Marks : 2  Wrong Marks : 0.66

The type of computer software in which source code is released under a license in which the copyright holder grants users the rights to study, change, and distribute the software to anyone and for any purpose is known as:

Options:
1. freeware
2. shareware
3. open source  ✔️
4. public domain

Question Number : 147  Question Id : 2310981197  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical  
Correct Marks : 2  Wrong Marks : 0.66

In MS Word Application of MS-office, there is a facility to lock your file with a password and give out the password only to people whose opinions you trust. When you remove a password from a file, which of the following steps is NOT required?

Options:
1. Open the file that needs its password removed
2. Go to the File tab and choose Info to open the Information window
3. * Click the Protect Document button, and choose Encrypt with Password and delete the password from dialog box and click OK.

4. ✓ There is no need of open the file that needs its password removed

Question Number : 148  Question Id : 2310981198  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical  Correct Marks : 2  Wrong Marks : 0.66

Which of the following is NOT an application of MS Office 2013 Home & Business Edition?
Options :
1. ✗ OneNote

2. ✗ Outlook

3. ✓ Access

4. ✗ Excel

Question Number : 149  Question Id : 2310981199  Question Type : MCQ  Option Shuffling : Yes  Negative Marks Display Text : 2/3  Option Orientation : Vertical  Correct Marks : 2  Wrong Marks : 0.66

Secure communication is required when two parties are communicating through internet and they do not want any third party to intercept between them. Which of the following is NOT a property of secure communication?
Options :
1. ✗ Confidentiality

2. ✓ Accuracy

3. ✗ Integrity

4. ✗ Authenticity
Tally.ERP 9 offers a special Edition of Tally.ERP 9, which provides auditing and compliance capabilities exclusively for Chartered Accountants. This edition is known as:

Options:

1. ✗ Gold
2. ✗ Silver
3. ✗ Diamond
4. ✓ Gold Auditors’